

BEWI Circular rGPPS Standard

Technical Data Sheet
rGPPS Standard
recycled general purpose polystyrene

Description

rGPPS standard is a general purpose polystyrene regranulate made of expanded polystyrene (EPS) waste filtered using 250 micron screen. The regranulate is characterized as pellets with slightly brown or pale yellowish colour and has the form of a spherical or rounded granulate with a diameter of 3 to 6 mm. The colour is homogeneous with no absence of white or partially white pellets.

Application

Recycled general purpose polystyrene is a thermoplastic resin suitable for compounding, XPS and EPS applications.

Technical information

rGPPS Standard is produced from EPS without using any additives fulfilling the requirements of Regulation No 2008/1272 CLP and does not contain any substance or mix with a content of HBCD above the limit of 100 mg/kg specified in the EU POP Regulation ((EU) 2016/293).

	TEST METHOD	UNIT	rGPPS Standard
MELT FLOW RATE	EN ISO 1133-1 (200°C/5 kg)	g/10 min	10-25
VOLATILES 105°C	60 min, 105°C (EN 15342:2008)	%	<0.10
VOLATILES 200°C	30 min, 200°C (EN 15342:2008)	%	<0.50
ASH CONTENT	EN ISO 3451-1	%	<0.50
VICAT SOFTENING TEMPERATURE	EN ISO 306 A50 (50 N, 50°C/h)	°C	102

Disclaimer: These are typical properties only that are not to be considered as specifications. Fully odourless product cannot be guaranteed.

Packaging

Product is delivered in FIBCs with a net weight of 1200 kg placed on pallets with dimension 1140 x 1140 mm.

Storage

The product should be protected from direct sunlight and other weather conditions (rain, frost etc.) and stored in either transport packaging or in silos (closed).

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